

CLAIM AMENDMENTS

Claims 1-19 (cancelled).

Claim 20 (new): A lock assembly, comprising:

 a lock cylinder for actuating a latch assembly wherein said lock cylinder comprises:

 a lock sleeve having an axial rotor hole and a plurality of first and second tumbler sockets radially distributed on an inner surface of said lock sleeve;

 a plurality of tumblers being coaxially placed in said first and second tumbler sockets respectively;

 a lock rotor assembly, comprising:

 a first lock rotor, having a tubular shaped, being rotatably and coaxially fitted in said axial rotor hole of said lock sleeve to define a first keyway therethrough, said first lock rotor having a plurality of first locking holes radially distributed on an outer circumferential surface of said first lock rotor, wherein each of said first locking holes is capable of coaxially aligning with said first tumbler sockets respectively;

 a second lock rotor, having a tubular shaped, being rotatably and coaxially fitted in said axial rotor hole of the lock sleeve to define a second keyway therethrough wherein said second keyway is normally misaligned with said first keyway so as to block up an arrangement of said tumblers within said first locking holes, said second lock rotor having a plurality of second locking holes radially distributed on an outer circumferential surface of said second lock rotor, wherein each of said first locking holes is capable of coaxially aligning with said second tumbler sockets respectively;

 a plurality of lock pins being disposed in said first and second locking holes respectively;

 a lock cover coaxially mounted on said lock sleeve at an entrance of said axial rotor hole, wherein said lock cover has a key access slot, having a predetermined length, coaxially formed thereon, said key access slot being normally aligned with said

first keyway of said first lock rotor in such a manner that said key head of said key is adapted to insert into said first keyway through said key access slot;

a key aligning arrangement for aligning said first lock rotor in an initial position normally and enabling said first lock to be rotated to align with said first keyway with said second keyway; and

a plurality of resilient elements being coaxially disposed in said first and second tumbler sockets respectively for applying urging pressures on said tumblers to move inwardly towards said first and second locking holes until an inner portion of each of said tumblers is disposed in said respective first and second locking hole and an outer portion of said tumbler is disposed in said respective first and second tumbler socket so as to lock up rotational movements of said first and second lock rotors within said lock sleeve; and

a key comprising a key head having predetermined locking serrations arranged in such a manner that when said key head is inserted into said first keyway, said locking serrations of said key head are adapted to drive said respective lock pins to pull said respective tumblers moving outwardly into said first tumbler sockets correspondingly to unlock said first lock rotor and enable said first lock rotor freely rotating until said first keyway is aligned with said second keyway, simultaneously, said key head being adapted to insert into said second keyway such that said locking serrations of said key head are adapted to drive said respective lock pins to pull said respective tumblers moving outwardly into said second tumbler sockets correspondingly so as to unlock said second lock rotor to enable said second lock rotor to freely rotate to control said locking and unlocking of said latch assembly.

Claim 21 (new): The lock assembly, as recited in claim 20, wherein said key aligning arrangement, which has an axial receiving groove provided on an outer side of said first lock rotor and two alignment indentions provided on an inner side of said lock cover, comprises an aligning member having a round head, slidably received in said axial receiving groove and a compression spring received in said axial receiving groove for applying an urging pressure against said alignment member to push said round head of said aligning member to bias against said inner side of said lock cover at one of said alignment indentions, wherein said alignment indentions are formed on said

lock cover at positions that when said first lock rotor is in an initial position and when said first lock rotor is rotated to align said first keyway with said second keyway respectively.

Claim 22 (new): The lock assembly, as recited in claim 20, wherein said key aligning arrangement comprises a protrusion outwardly extended from said key and first and second indicators provided on an outer side of said lock cover, wherein when said key head is inserted into said first keyway, said protrusion on said key is pointed to said first indicator, and when said first lock rotor is rotated by said key head until said protrusion is pointed to said second indicator, said first keyway is aligned with said second keyway so that said key head is allowed to insert into said second keyway.

Claim 23 (new): The lock assembly, as recited in claim 21, wherein said key aligning arrangement further comprises a protrusion outwardly extended from said key and first and second indicators provided on an outer side of said lock cover, wherein when said key head is inserted into said first keyway, said protrusion on said key is pointed to said first indicator, and when said first lock rotor is rotated by said key head until said protrusion is pointed to said second indicator, said first keyway is aligned with said second keyway so that said key head is allowed to insert into said second keyway.

Claim 24 (new): The lock assembly, as recited in claim 20, wherein each of said first and second lock rotors further has a pin seat provided in each of said first and second locking holes such that said pins are allowed to sit on said pin seats within said first and second locking holes respectively so as to prevent said pins sliding into said first and second keyways respectively.

Claim 25 (new): The lock assembly, as recited in claim 21, wherein each of said first and second lock rotors further has a pin seat provided in each of said first and second locking holes such that said pins are allowed to sit on said pin seats within said first and second locking holes respectively so as to prevent said pins sliding into said first and second keyways respectively.

Claim 26 (new): The lock assembly, as recited in claim 23, wherein each of said first and second lock rotors further has a pin seat provided in each of said first and second locking holes such that said pins are allowed to sit on said pin seats within said

first and second locking holes respectively so as to prevent said pins sliding into said first and second keyways respectively.

Claim 27 (new): The lock assembly, as recited in claim 20, wherein said locking serrations of said key head has a longitudinal head serrate section and a longitudinal tail serrate section integrally extended therefrom, wherein said locking serrations within said head serrate section of said key head are arranged to engage with said respective tumblers within said first locking holes respectively to unlock a rotational movement of said first lock rotor and said locking serrations within said head and tail serrate sections of said key head are arranged to engage with said respective tumblers within said second locking holes respectively to unlock a rotational movement of said second lock rotor.

Claim 28 (new): The lock assembly, as recited in claim 21, wherein said locking serrations of said key head has a longitudinal head serrate section and a longitudinal tail serrate section integrally extended therefrom, wherein said locking serrations within said head serrate section of said key head are arranged to engage with said respective tumblers within said first locking holes respectively to unlock a rotational movement of said first lock rotor and said locking serrations within said head and tail serrate sections of said key head are arranged to engage with said respective tumblers within said second locking holes respectively to unlock a rotational movement of said second lock rotor.

Claim 29 (new): The lock assembly, as recited in claim 23, wherein said locking serrations of said key head has a longitudinal head serrate section and a longitudinal tail serrate section integrally extended therefrom, wherein said locking serrations within said head serrate section of said key head are arranged to engage with said respective tumblers within said first locking holes respectively to unlock a rotational movement of said first lock rotor and said locking serrations within said head and tail serrate sections of said key head are arranged to engage with said respective tumblers within said second locking holes respectively to unlock a rotational movement of said second lock rotor.

Claim 30 (new): The lock assembly, as recited in claim 26, wherein said locking serrations of said key head has a longitudinal head serrate section and a

longitudinal tail serrate section integrally extended therefrom, wherein said locking serrations within said head serrate section of said key head are arranged to engage with said respective tumblers within said first locking holes respectively to unlock a rotational movement of said first lock rotor and said locking serrations within said head and tail serrate sections of said key head are arranged to engage with said respective tumblers within said second locking holes respectively to unlock a rotational movement of said second lock rotor.

Claim 31 (new): The lock assembly, as recited in claim 27, wherein a length of said head serrate section is longer than that of said tail serrate section, wherein a pattern of said locking serrations within said tail serrate section of said key head is repeated within a portion of said head serrate section of said key head.

Claim 32 (new): The lock assembly, as recited in claim 28, wherein a length of said head serrate section is longer than that of said tail serrate section, wherein a pattern of said locking serrations within said tail serrate section of said key head is repeated within a portion of said head serrate section of said key head.

Claim 33 (new): The lock assembly, as recited in claim 29, wherein a length of said head serrate section is longer than that of said tail serrate section, wherein a pattern of said locking serrations within said tail serrate section of said key head is repeated within a portion of said head serrate section of said key head.

Claim 34 (new): The lock assembly, as recited in claim 30, wherein a length of said head serrate section is longer than that of said tail serrate section, wherein a pattern of said locking serrations within said tail serrate section of said key head is repeated within a portion of said head serrate section of said key head.

Claim 35 (new): The lock assembly, as recited in claim 20, wherein said lock cover comprises a protective cover securely mounted at said entrance of said lock sleeve to enclose said axial rotor hole and a locker core extended from said protective cover to coaxially align with said axial rotor hole, wherein said key access slot is extended through said protective cover and said locker core to normally align with said first keyway such that said lock cover forms as a third lock rotor affixed to said lock sleeve that said key head of said key must be inserted into said first keyway through said key access slot in order to access said first lock rotor.

Claim 36 (new): The lock assembly, as recited in claim 35, wherein said key aligning arrangement, which has an axial receiving groove provided on an outer side of said first lock rotor and two alignment indentions provided on an inner side of said protective cover of said lock cover, comprises an aligning member having a round head, slidably received in said axial receiving groove and a compression spring received in said axial receiving groove for applying an urging pressure against said alignment member to push said round head of said aligning member to bias against said inner side of said protective cover at one of said alignment indentions, wherein said alignment indentions are formed on said lock cover at positions that when said first lock rotor is in an initial position and when said first lock rotor is rotated to align said first keyway with said second keyway respectively.

Claim 37 (new): The lock assembly, as recited in claim 35, wherein each of said first and second lock rotors further has a pin seat provided in each of said first and second locking holes such that said pins are allowed to sit on said pin seats within said first and second locking holes respectively so as to prevent said pins sliding into said first and second keyways respectively.

Claim 38 (new): The lock assembly, as recited in claim 36, wherein each of said first and second lock rotors further has a pin seat provided in each of said first and second locking holes such that said pins are allowed to sit on said pin seats within said first and second locking holes respectively so as to prevent said pins sliding into said first and second keyways respectively.

Claim 39 (new): The lock assembly, as recited in claim 35, wherein said locking serrations of said key head has a longitudinal head serrate section and a longitudinal tail serrate section integrally extended therefrom, wherein said locking serrations within said head serrate section of said key head are arranged to engage with said respective tumblers within said first locking holes respectively to unlock a rotational movement of said first lock rotor and said locking serrations within said head and tail serrate sections of said key head are arranged to engage with said respective tumblers within said second locking holes respectively to unlock a rotational movement of said second lock rotor.

Claim 40 (new): The lock assembly, as recited in claim 38, wherein said locking serrations of said key head has a longitudinal head serrate section and a longitudinal tail serrate section integrally extended therefrom, wherein said locking serrations within said head serrate section of said key head are arranged to engage with said respective tumblers within said first locking holes respectively to unlock a rotational movement of said first lock rotor and said locking serrations within said head and tail serrate sections of said key head are arranged to engage with said respective tumblers within said second locking holes respectively to unlock a rotational movement of said second lock rotor.

Claim 41 (new): The lock assembly, as recited in claim 39, wherein a length of said head serrate section is longer than that of said tail serrate section, wherein a pattern of said locking serrations within said tail serrate section of said key head is repeated within a portion of said head serrate section of said key head.

Claim 42 (new): The lock assembly, as recited in claim 40, wherein a length of said head serrate section is longer than that of said tail serrate section, wherein a pattern of said locking serrations within said tail serrate section of said key head is repeated within a portion of said head serrate section of said key head.